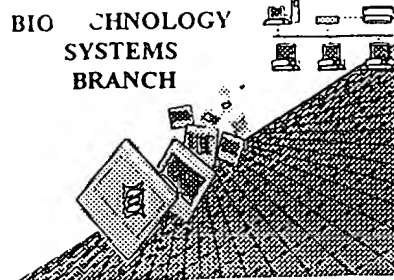


RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09 / 887, 182
Source: OIPF
Date Processed by STIC: 7/7/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

DATE: 07/07/2001

PATENT APPLICATION: US/09/887,182

TIME: 14:33:09

Input Set : A:\MBHB00,830-A Sequence Listing.txt

Output Set: N:\CRF3\07062001\I887182.raw

3 <110> APPLICANT: Ribozyme Pharmaceuticals, Inc
4 Vargeese, Chandra
5 Shaffer, Chris
6 Wang, Weiman
8 <120> TITLE OF INVENTION: METHOD FOR THE CHEMICAL SYNTHESIS OF OLIGONUCLEOTIDES
10 <130> FILE REFERENCE: 600/005
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/887,182
C--> 12 <141> CURRENT FILING DATE: 2001-06-22
12 <160> NUMBER OF SEQ ID NOS: 1
14 <170> SOFTWARE: PatentIn version 3.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 35
20 <212> TYPE: RNA
21 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
26 <220> FEATURE:
27 <221> NAME/KEY: misc_feature
28 <222> LOCATION: (1)..(4)
29 <223> OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
31 <220> FEATURE:
32 <221> NAME/KEY: misc_feature
33 <222> LOCATION: (1)..(7)
34 <223> OTHER INFORMATION: 2'-O-Methyl
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: (11)..(11)
39 <223> OTHER INFORMATION: 2'-O-Methyl
41 <220> FEATURE:
42 <221> NAME/KEY: misc_feature
43 <222> LOCATION: (13)..(25)
44 <223> OTHER INFORMATION: 2'-O-Methyl
46 <220> FEATURE:
47 <221> NAME/KEY: misc_feature
48 <222> LOCATION: (27)..(28)
49 <223> OTHER INFORMATION: 2'-O-Methyl
51 <220> FEATURE:
52 <221> NAME/KEY: misc_feature
53 <222> LOCATION: (30)..(34)
54 <223> OTHER INFORMATION: 2'-O-Methyl
56 <220> FEATURE:
57 <221> NAME/KEY: misc_feature
58 <222> LOCATION: (8)..(8)
59 <223> OTHER INFORMATION: 2'-deoxy-2'-amino
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (35)..(35)

Does Not Comply
Corrected Diskette Needed

need to explain
the origin of
the genetic material

RAW SEQUENCE LISTING

DATE: 07/07/2001

PATENT APPLICATION: US/09/887,182

TIME: 14:33:09

Input Set : A:\MBHB00,830-A Sequence Listing.txt

Output Set: N:\CRF3\07062001\I887182.raw

64 <223> OTHER INFORMATION: n stands for inverted deoxyabasic derivative

66 <400> SEQUENCE: 1

W--> 67 gaguugcuag agaggccgaa aggccgauag ucugn

35

n can only be a
nucleic acid base.

VERIFICATION SUMMARY

DATE: 07/07/2001

PATENT APPLICATION: US/09/887,182

TIME: 14:33:10

Input Set : A:\MBHB00,830-A Sequence Listing.txt

Output Set: N:\CRF3\07062001\I887182.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1